

## NOTES ON DECAYS - GENERAL

- many known extremely well
- systematics now  $\sim 1\%$  in many modes; will be tough to go below  $1/2\%$
- certainly BaBar & Belle will measure all again very well with  $\sim 500M \pi^+\pi^-$  each
- with different syst. CLEO-c at  $\gamma\gamma$  would have 50K reconstructed in  $\pi^+\pi^-$  and  $\rho^+\rho^- \Rightarrow 1/2\%$  meas.

Sel. of  
list of  
expt.

PDG00:

$\pi^+\pi^-$	$17.37 \pm 0.07\%$	0.4%
$\pi^+\pi^-$	$17.83 \pm 0.06$	0.3
$\pi^+\pi^-$	$11.09 \pm 0.12$	1.1
$\pi^+\pi^0\pi^-$	$25.40 \pm 0.14$	0.6
$\pi^+\pi^+\pi^-$	$9.18 \pm 0.11$	1.2
$\pi^-\pi^0\pi^0\pi^-$	$9.13 \pm 0.14$	1.5
$\pi^-\pi^+\pi^-\pi^0\pi^-$	$4.20 \pm 0.08$	1.9
$\pi^-\pi^0\pi^0\pi^0\pi^-$	$1.08 \pm 0.10$	9.3% ←